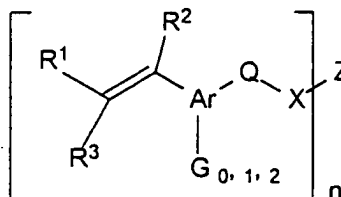


WHAT IS CLAIMED IS:

1. A compound having the structure:



- 5 in which

n is 1 to 6;

Ar is an aromatic or heteroaromatic ring or fused ring having 3 to 10 carbon atoms within the ring structure, in which the heteroatoms may be N, O, or S;

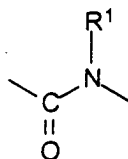
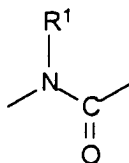
- 10 R¹, R², and R³ are independently hydrogen, an alkyl group having 1 to 12 carbon atoms, or Ar as described above;

G is -OR⁴, -SR⁴, -N(R¹)(R²), Ar as described above, or an alkyl group having 1 to 12 carbon atoms, in which R¹ and R² are as described above and R⁴ is Ar as described above or an alkyl group having 1 to 12

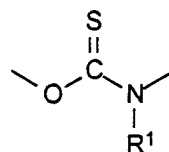
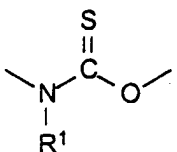
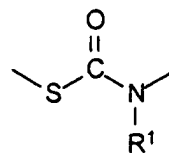
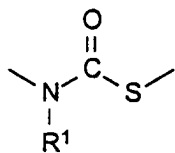
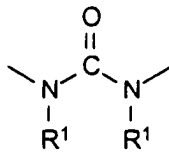
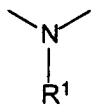
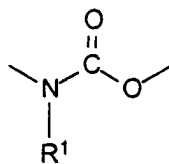
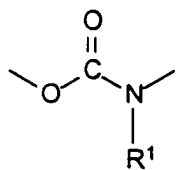
- 15 carbon atoms;

Q is an alkyl group having 1 to 12 carbon atoms;

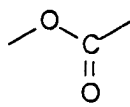
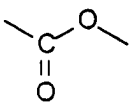
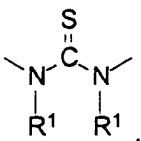
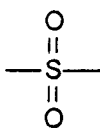
X is



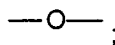
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10



or



Z is an alkyl group, a siloxane, a polysiloxane, a C₁ to C₄ alkoxy-terminated siloxane or polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic or heteroaromatic group.

2. The compound according to claim 1 in which

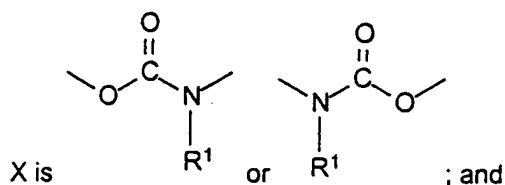
n is 1 or 2;

R¹, R², and R³ are hydrogen,

G is -OCH₃,

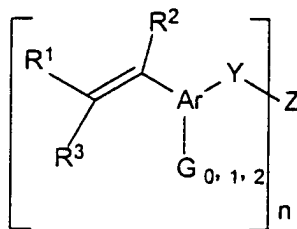
Q is a C₁ to C₄ alkyl,

10



Z is a branched or linear C₁₈ to C₃₆ chain, or a siloxane.

3. A compound having the structure:



15 in which

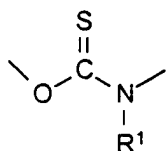
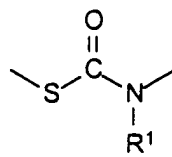
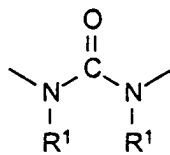
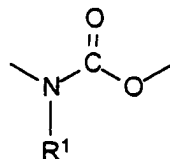
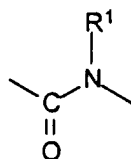
n is 1 to 6;

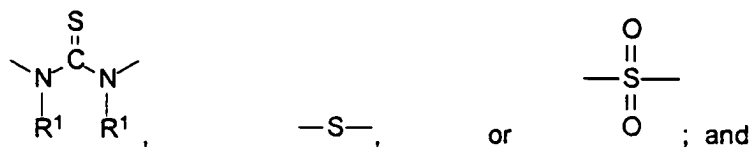
Ar is an aromatic or heteroaromatic ring or fused ring having 3 to 10 carbon atoms within the ring structure, in which the heteroatoms may be N, O, or S;

20 R¹, R², and R³ are independently hydrogen, an alkyl group having 1 to 12 carbon atoms, or Ar as described above;

[illegible]

10

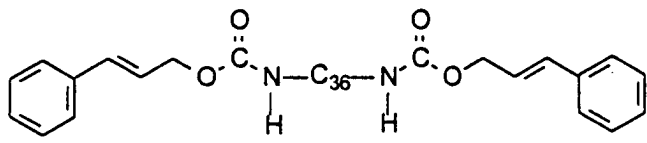
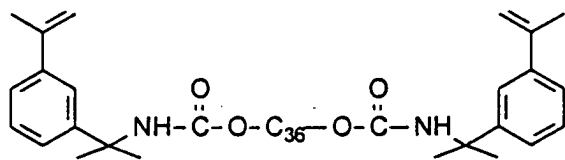




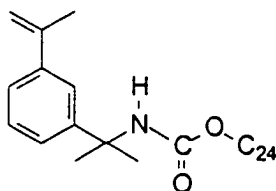
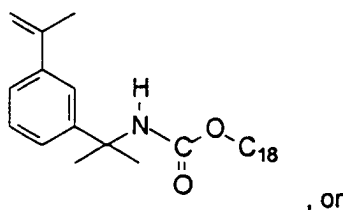
Z is an alkyl group, a siloxane, a polysiloxane, a C₁ to C₄ alkoxy-terminated siloxane or polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic or heteroaromatic group.

5

4. The compound according to claim 3 having the structure:



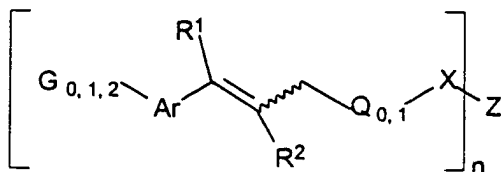
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in which C₁₈, C₂₄, and C₃₆, represent a mixture of isomers of linear or

15 branched chain alkyl groups having C₁₈, C₂₄, and C₃₆ carbon atoms, respectively.

5. A compound having the structure:



in which

- 5 n is 1 to 6;

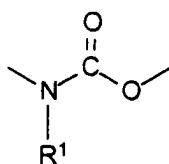
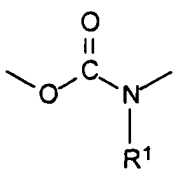
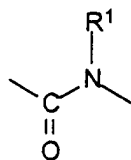
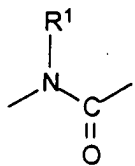
Ar is an aromatic or heteroaromatic ring or fused ring having 3 to 10 carbon atoms within the ring structure, in which the heteroatoms may be N, O, or S;

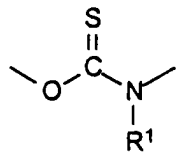
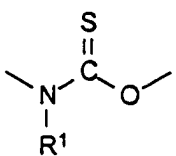
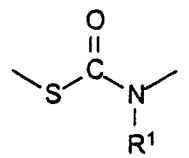
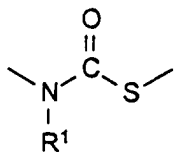
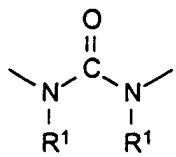
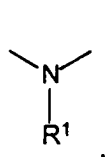
- 10 R¹ and R² are independently hydrogen, an alkyl group having 1 to 12 carbon atoms, or Ar as described above;

G is -OR⁴, -SR⁴, -N(R¹)(R²), Ar as described above, or an alkyl group having 1 to 12 carbon atoms, in which R¹ and R² are as described above and R⁴ is Ar as described above or an alkyl group having 1 to 12 carbon atoms;

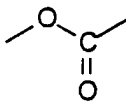
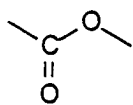
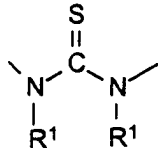
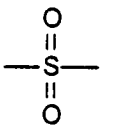
- 15 Q is an alkyl group having 1 to 12 carbon atoms;

X is





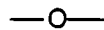
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10



or



; and

Z is an alkyl group, a siloxane, a polysiloxane, a C₁ to C₄ alkoxy-terminated siloxane or polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic or heteroaromatic group.

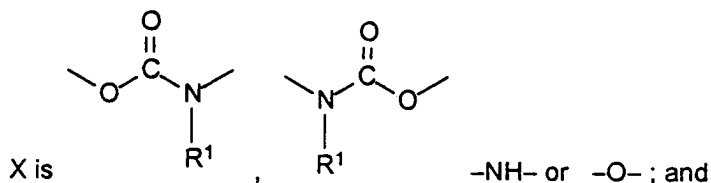
15

6. The compound according to claim 5 in which
n is 1 or 2;

R^1 , R^2 , and R^3 are hydrogen,

G is $-\text{OCH}_3$,

Q is a C_1 to C_4 alkyl,



5 Z is a branched or linear C_{18} to C_{36} chain, or a siloxane.

7. A curable adhesive composition comprising a compound according to any one of claims 1 to 6.

10 8. A curable adhesive composition comprising a compound according to any one of claims 1 to 6 and at least one copolymerizable electron acceptor compound selected from the group consisting of fumarates, maleates, acrylates and maleimides.

15 9. A curable adhesive composition comprising a compound according to any one of claims 1 to 6 and a thermally conductive filler.

10. A curable adhesive composition comprising a compound according to any one of claims 1 to 6 and an electrically conductive filler.

20

11. A curable adhesive composition comprising a compound according to any one of claims 1 to 6 and a nonconductive filler.

12. A curable adhesive composition comprising a compound according to any one of claims 1 to 6, at least one copolymerizable electron acceptor

25

compound selected from the group consisting of fumarates, maleates, acrylates and maleimides, and a thermally conductive filler.

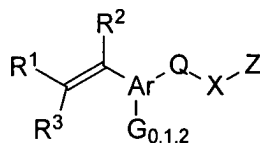
13. A curable adhesive composition comprising a compound according to
5 any one of claims 1 to 6 , at least one copolymerizable electron acceptor compound selected from the group consisting of fumarates, maleates, acrylates and maleimides, and an electrically conductive filler.

14. A curable adhesive composition comprising a compound according to
10 any one of claims 1 to 6 , at least one copolymerizable electron acceptor compound selected from the group consisting of fumarates, maleates, acrylates and maleimides, and a nonconductive filler.

15. A semiconductor package in which a silicon chip is adhered to a
15 substrate with an adhesive comprising a compound according to any one of claims 12 to 14.

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18. A compound having the structure:



in which

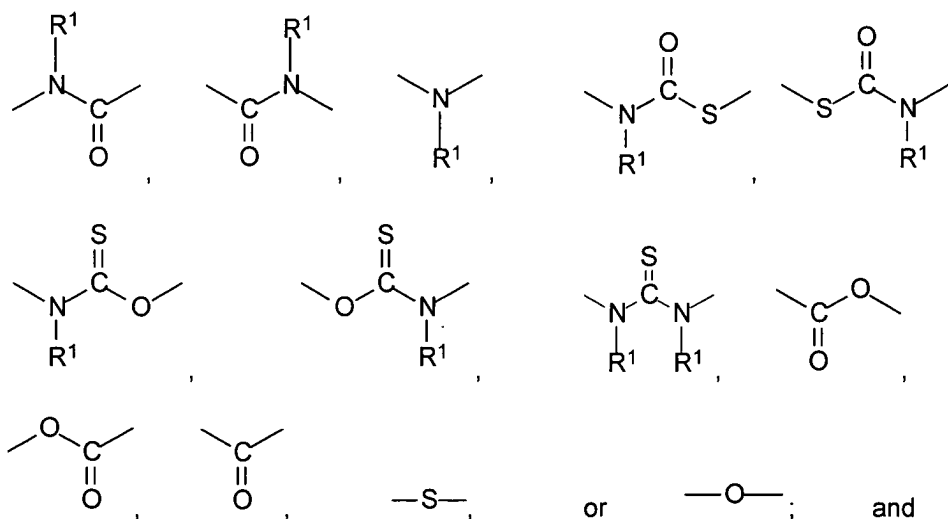
Ar is an aromatic or heteroaromatic ring or fused ring having 3 to 10 carbon atoms within the ring structure, in which the heteroatoms may be N, O, or S;

R¹, R², and R³ are independently hydrogen, an alkyl group having 1 to 12 carbon atoms, or Ar as described above;

G is -OR⁴, -SR⁴, -N(R¹)(R²), Ar as described above, or an alkyl group having 1 to 12 carbon atoms, in which R¹ and R² are as described above, and R⁴ is Ar as described above or an alkyl group having 1 to 12 carbon atoms;

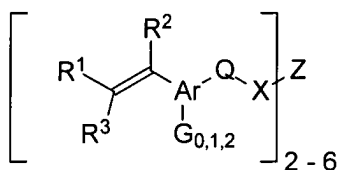
Q is an alkyl group having 1 to 12 carbon atoms;

X is



Z is an alkyl group, a siloxane, a polysiloxane, a C₁ to C₄ alkoxy-terminated siloxane or polysiloxane, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic or heteroaromatic group.

19. A compound having the structure:



in which

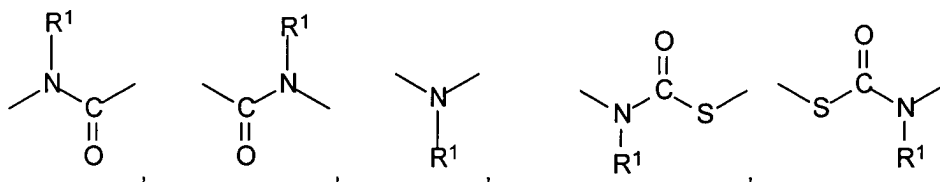
Ar is an aromatic or heteroaromatic ring or fused ring having 3 to 10 carbon atoms within the ring structure, in which the heteroatoms may be N, O, or S;

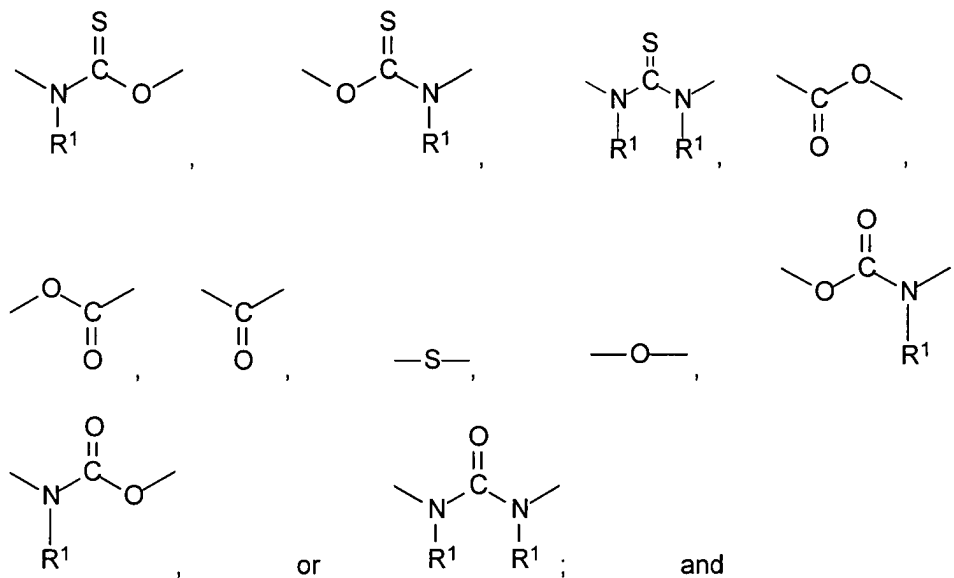
R¹, R², and R³ are independently hydrogen, an alkyl group having 1 to 12 carbon atoms, or Ar as described above;

G is -OR⁴, -SR⁴, -N(R¹)(R²), Ar as described above, or an alkyl group having 1 to 12 carbon atoms, in which R¹ and R² are as described above, and R⁴ is Ar as described above or an alkyl group having 1 to 12 carbon atoms;

Q is an alkyl group having 1 to 12 carbon atoms;

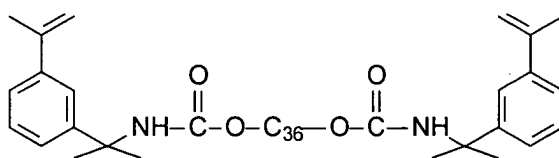
X is





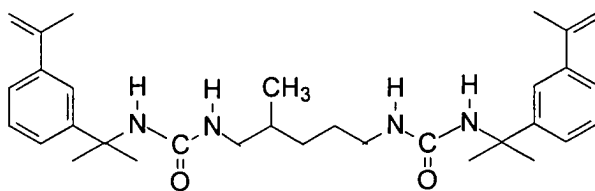
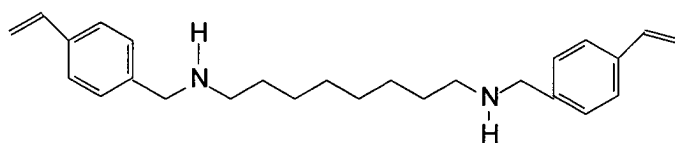
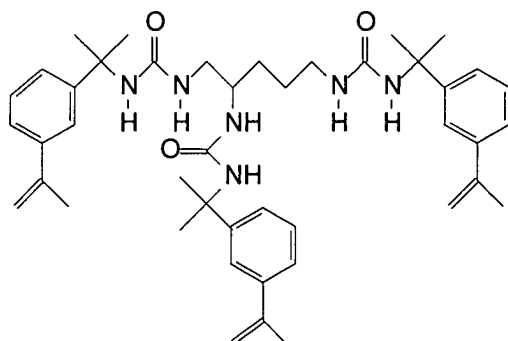
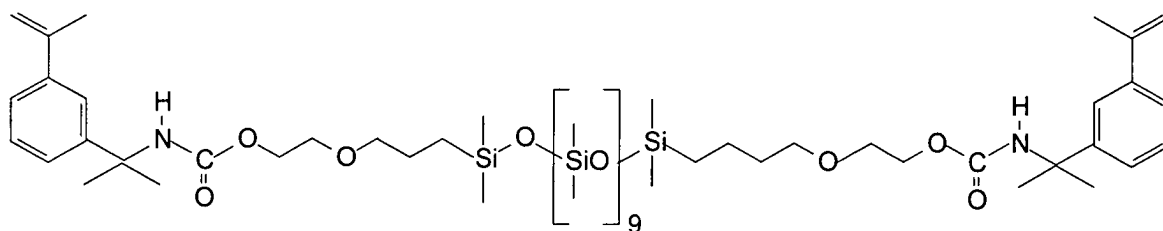
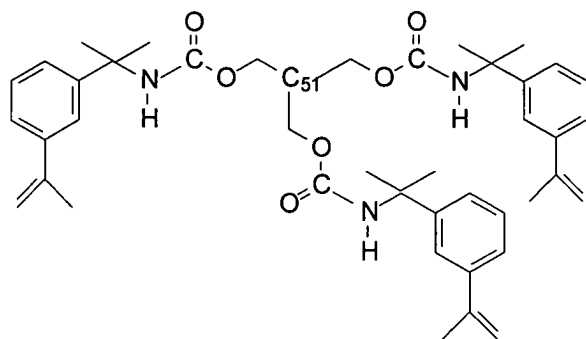
Z is an alkyl group, a siloxane, a polysiloxane, a C₁ to C₄ alkoxy-terminated siloxane or polysiloxane, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic or heteroaromatic group.

20. The compound according to claim 19 having the structure:



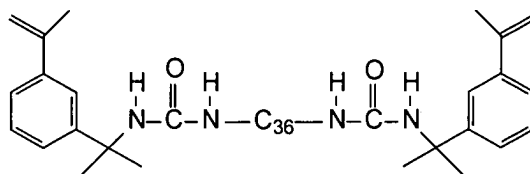
21. The compound according to claim 19 selected from the group consisting of:

CLEAN VERSION OF NEW CLAIMS
Attorney docket 1824A

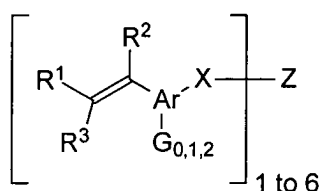


and

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22. A compound having the structure:



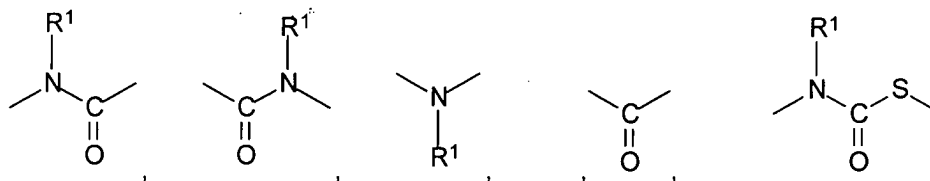
in which

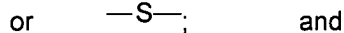
Ar is an aromatic or heteroaromatic ring or fused ring having 3 to 10 carbon atoms within the ring structure, in which the heteroatoms may be N, O, or S;

R¹, R², and R³ are independently hydrogen, an alkyl group having 1 to 12 carbon atoms, or Ar as described above;

G is -OR⁴, -SR⁴, -N(R¹)(R²), Ar as described above, or an alkyl group having 1 to 12 carbon atoms, in which R¹ and R² are as described above, and R⁴ is Ar as described above or an alkyl group having 1 to 12 carbon atoms;

X is





23. A compound having the structure:

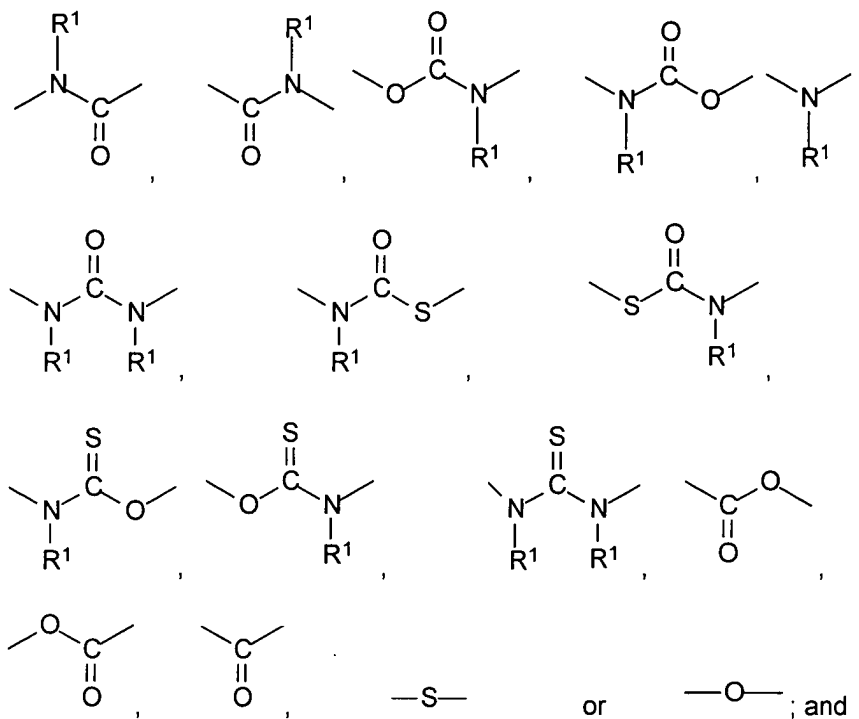


R¹ and R² are independently hydrogen, an alkyl group having 1 to 12 carbon atoms, or Ar as described above;

G is $-\text{OR}^4$, $-\text{SR}^4$, $-\text{N}(\text{R}^1)(\text{R}^2)$, Ar as described above, or an alkyl group having 1 to 12 carbon atoms, in which R^1 and R^2 are as described above and R^4 is Ar as described above or an alkyl group having 1 to 12 carbon atoms;

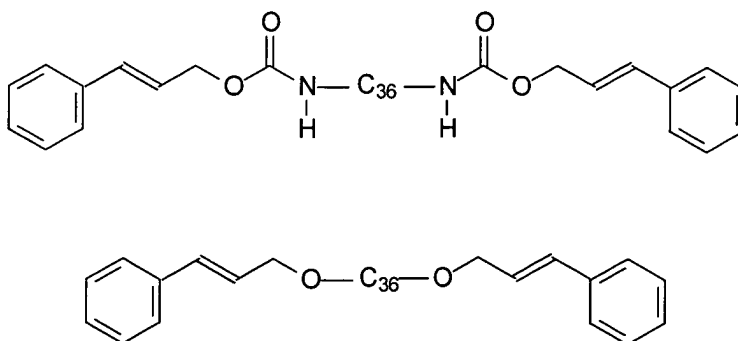
Q is an alkyl group having 1 to 12 carbon atoms;

X is



Z is an alkyl group, a siloxane, a polysiloxane, a C₁ to C₄ alkoxy-terminated siloxane or polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic or heteroaromatic group.

24. The compound according to claim 23 selected from the group consisting of:





25. A curable composition comprising a compound according to claim 18 and a conductive or nonconductive filler.
26. A curable composition comprising a compound according to claim 19 and a conductive or nonconductive filler.

CLEAN VERSION OF NEW CLAIMS
Attorney docket 1824A

27. A curable composition comprising a compound according to claim 22
and a conductive or nonconductive filler.

28. A curable composition comprising a compound according to claim 23
and a conductive or nonconductive filler.

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